

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 3857

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07H17/04 A23L1/302 C12P19/60 C07H1/08 A61K7/48
 A61K31/7048 A61P17/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07H A23L C12P A61K A61Q A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | EP 0 875 514 A (SHOWA DENKO KK) 4 November 1998 (1998-11-04) table 2 claims | 1 |
| A | EP 0 875 246 A (SHOWA DENKO KK) 4 November 1998 (1998-11-04) table 2 claims | 1 |
| X | EP 0 919 218 A (SHISEIDO CO LTD) 2 June 1999 (1999-06-02) abstract | 2,3,19 |
| X | EP 1 145 709 A (SEROBIOLOGIQUES LAB SA) 17 October 2001 (2001-10-17) abstract | 2,3,19 |
| | --- -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

11 June 2003

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

de Nooy, A

INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| X | EP 0 667 162 A (BRUNNER RUDOLF) 16 August 1995 (1995-08-16) abstract ----- | 2, 3, 21 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 02/0057

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0875514 | A | 04-11-1998 | JP 10298174 A | 10-11-1998 |
| | | | EP 0875514 A1 | 04-11-1998 |
| | | | US 6127409 A | 03-10-2000 |
| EP 0875246 | A | 04-11-1998 | EP 0875246 A1 | 04-11-1998 |
| | | | JP 10330261 A | 15-12-1998 |
| | | | US 2002010210 A1 | 24-01-2002 |
| EP 0919218 | A | 02-06-1999 | EP 0919218 A1 | 02-06-1999 |
| | | | CN 1220595 A | 23-06-1999 |
| | | | CN 1220595 T | 23-06-1999 |
| | | | JP 10316530 A | 02-12-1998 |
| | | | WO 9841183 A1 | 24-09-1998 |
| | | | KR 2000011152 A | 25-02-2000 |
| EP 1145709 | A | 17-10-2001 | EP 1145709 A1 | 17-10-2001 |
| | | | AU 3373901 A | 30-10-2001 |
| | | | WO 0178675 A1 | 25-10-2001 |
| | | | EP 1272155 A1 | 08-01-2003 |
| EP 0667162 | A | 16-08-1995 | EP 0667162 A1 | 16-08-1995 |